EXHIBIT A



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, O.C. 2C231

OCTOBER 01, 1997

PTAS

100539442A

KOCH INDUSTRIES, INC. LORA GURLEY, CLA LEGAL DEPARTMENT 4111 E. 37TH STREET NORTH WICHITA, KANSAS 67220

> UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S: PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/15/1997

REEL/FRAME: 8677/0445

NUMBER OF PAGES: 6

BRIEF: (ASSIGNMENT OF ASSIGNOR'S INTEREST) RE-RECORD TO CORRECT THE

NUMBER OF MICROFILM PAGES FROM 9 TO 6. AN ASSIGNMENT WAS

PREVIOUSLY RECORDED AT REEL 8650, FRAME 0502.

ASSIGNOR:

4900 SINGLETON, L.P.

DOC DATE: 06/26/1997

ASSIGNEE:

KOCH ENTERPRISES, INC.

4111 E. 37TH STREET NORTH

P.O. BOX 8127

WICHITA, KANSAS 67220

SERIAL NUMBER: 08816197

FILING DATE: 03/26/1997

ISSUE DATE:

PATENT NUMBER:

SERIAL NUMBER: 08529589

FILING DATE: 09/18/1995

ISSUE DATE:

PATENT NUMBER:

FILING DATE: 07/24/1996

SERIAL NUMBER: 08685482

ISSUE DATE:

PATENT NUMBER:

8677/0445 PAGE 2

SERIAL NUMBER: PATENT NUMBER:	08742819	FILING DATE: 10/30/1996 ISSUE DATE:
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 03/03/1997 ISSUE DATE:
SERIAL NUMBER: PATENT NUMBER:	05903214 4233825	FILING DATE: 05/05/1978 ISSUE DATE: 11/18/1980
SERIAL NUMBER: PATENT NUMBER:	06725144 4597916	FILING DATE: 04/19/1985 ISSUE DATE: 07/01/1986
SERIAL NUMBER: PATENT NUMBER:	06725143 4604247	FILING DATE: 04/19/1985 ISSUE DATE: 08/05/1986
SERIAL NUMBER: PATENT NUMBER:	06406559 4621475	ISSUE DATE: 11/11/1986
SERIAL NUMBER: PATENT NUMBER:	07042759 4729857	FILING DATE: 04/27/1987 ISSUE DATE: 03/08/1988
SERIAL NUMBER: PATENT NUMBER:	4842778	FILING DATE: 11/23/1987 ISSUE DATE: 06/27/1989
SERIAL NUMBER: PATENT NUMBER:	07332428	FILING DATE: 05/15/1989 ISSUE DATE: 03/20/1990
SERIAL NUMBER: PATENT NUMBER:	07261503 4950430	ISSUE DATE: 03/20/1990 FILING DATE: 10/24/1988 ISSUE DATE: 08/21/1990
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 03/08/1989 ISSUE DATE: 09/11/1990
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 07/03/1990 ISSUE DATE: 09/24/1991
SERIAL NUMBER: PATENT NUMBER:	07618724 5057250	FILING DATE: 11/27/1990 ISSUE DATE: 10/15/1991
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 11/27/1990 ISSUE DATE: 01/14/1992
SERIAL NUMBER: PATENT NUMBER:	07653680 5106544	FILING DATE: 02/11/1991 ISSUE DATE: 04/21/1992
SERIAL NUMBER: PATENT NUMBER:	5106556	FILING DATE: 06/25/1991 ISSUE DATE: 04/21/1992
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 05/13/1991 ISSUE DATE: 06/02/1992
SERIAL NUMBER: PATENT NUMBER:	07577360 5120474	FILING DATE: 09/04/1990 ISSUE DATE: 06/09/1992

8677/0445 PAGE 3

SERIAL NUMBER: 07829988 FILING DATE: 01/31/1992 PATENT NUMBER: 5147584 ISSUE DATE: 09/15/1992 SERIAL NUMBER: 07577355 FILING DATE: 09/04/1990 PATENT NUMBER: 5164125 ISSUE DATE: 11/17/1992 SERIAL NUMBER: 07747286 FILING DATE: 08/19/1991 PATENT NUMBER: 5185106 ISSUE DATE: 02/09/1993 SERIAL NUMBER: 07747184 FILING DATE: 08/19/1991 PATENT NUMBER: 5188773 ISSUE DATE: 02/23/1993 SERIAL NUMBER: 07650747 FILING DATE: 02/05/1991 PATENT NUMBER: 5192465 ISSUE DATE: 03/09/1993 SERIAL NUMBER: 07775299 FILING DATE: 10/09/1991 PATENT NUMBER: 5192466 ISSUE DATE: 03/09/1993 SERIAL NUMBER: 07952098 FILING DATE: 09/28/1992 PATENT NUMBER: 5213719 ISSUE DATE: 05/25/1993 SERIAL NUMBER: 07930080 FILING DATE: 08/14/1992 PATENT NUMBER: 5277848 ISSUE DATE: 01/11/1994 SERIAL NUMBER: 08306672 FILING DATE: 09/15/1994 PATENT NUMBER: 5453222 ISSUE DATE: 09/26/1995 SERIAL NUMBER: 08414792

FILING DATE: 03/31/1995

ISSUE DATE: 08/20/1996

DOROTHY RILEY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

PATENT NUMBER: 5547617

ASSIGNMENT

Patents and Patent Applications (United States)

WHEREAS, 4900 SINGLETON, L.P., a Texas Limited Partnership, having its principal place of business at 4900 Singleton, Dallas, Texas 75212, (hereinafter referred to as "ASSIGNOR"), is the owner of the Patents and Patent Applications set forth in Schedule A. attached hereto (collectively, the "Patents and Applications"); and

WHEREAS, KOCH ENTERPRISES. INC., a corporation organized and existing under the laws of the State of Kansas, having a business address of P.O. Box 8127, Wichita, Kansas, 67208 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the Patents and Applications;

NOW. THEREFORE, for and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto ASSIGNEE, its successors, assigns and legal representatives the entire right, title and interest in and to the Patents and Applications, all divisions, ressues, reexaminations, substitutions, continuations, continuations-in-part and extensions thereof and all causes of action arising prior to or after the date hereof for infringement of the Patents and Applications, and all claims for damages for past infringement of the same; and

ASSIGNOR further sells, assigns and transfers unto ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the inventions disclosed

in the Patents and Applications, including all patents and pending applications thereon and the right to file further applications and to obtain patents, utility models, industrial models and designs for said inventions in its own name including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries; and

ASSIGNOR further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, ASSIGNOR has executed this Assignment this 16 day of http://doi.org/1997.

4900 SINGLETON, L.P.

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Title Anthorized Signing Officer

Attest GG C A

County of Ballas No. 14k 8

On this 26 day of 5000, 1997, before me, a Notary Public in and for the State and County aforesaid, personally appeared 1800 L. Van Buren, to me well known and known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

ELEANOR M. WESS
Notary Public, State of New York
fro. 014455033557
Chalified in New York County
Commission Expires Sept. 26, 1998

Notary Public Control

My Commission Expires: Scot. 76,1414

ACCEPTED

Sure 76,1997

State of Ranges Now York 8 § §.:

County of New York

On this U day of MW, 1997, before me, a Notary Public in and for the State and County aforesaid, personally appeared TRM Nan action me well known and known by me to be the person of the above name who signed and sealed the foregoing instrument. and acknowledged the same to be his own free act and deed.

My Commission Expires: Sept 26, 1919

KOCH ENTERPRISES, INC.

RELEANOR M. WEBS Notary F. All. State of New York No. 11WE5033567 Qualified in New York County Commission Expires Sept 25, 1996

Schedule A

U.S. PATENTS

PATENT NO.	TITLE	ISSUE DATE	INVENTORS
4,233,825	Knitting Machine	11/18/80	D.L. Glaspie
4,597,916	Method of and Apparatus for Intermediate Lamella Vapor Liquid Contact	07/01/86	G. Chen
4,604,247	Tower Packing Material and Method	08/05/86	G. Chen et al
4,621,475	Structural Strut and Truss Formed Therefrom	11/11/86	R.W. McClain
4,729,857	Liquid Distributor for Packed Tower	03/08/88	A.T. Lee et al
4,842,778	Apparatus for Flow Distribution in Packed Towers	06/27/89	G. Chen et al
4,909,967	Liquid Distributor Assembly for Packed Tower (Cont)	03/20/90	M.J. Binkley et al
4,950,430	Structured Tower Packing (Cont)	08/21/90	G.K. Chen et al
4,956,127	Downcomer-Tray Assembly and Method	09/11/90	M.J. Binkley et al
5,051,214	Double-Deck Distributor and Method of Liquid Distribution (Cont)	09/24/91	G.K. Chen
5,057,250	Tower Packing With Small Louvers	10/15/91	G.K. Chen et al
5,080,836	Tower Packing With Small and Large Louvers	01/14/92	G.K. Chen et al
5,106,544	Method of and Apparatus for Vapor Distribution (CIP)	04/21/92	A. Lee et al
5.106,556	Method of Downcomer-Tray Vapor Venting (Cont)	04/21/42	M.J. Binkley et al
5.118,449	Method of and Apparatus for Cartridge Tray Sealing	()6/02/42	M. Wade et al
5.120,474	Valve-Tray Assembly (CIP)	06/09/92	M.J. Binkley et al
5.147,584	Contact Tray Assembly and Method (Div)	09/15/92	M.J. Binkley et a

PATENT NO.	TITLE	ISSUE DATE	INVENTORS
5,164,125	Method and Apparatus for Downcomer-Tray Operation (CIP)	11/17/92	M.J. Binkley et al
5.185.106	Tower Packing With Small Louvers and Mixing Method (CIP)	02/09/93	G.K. Chen et al
5.188.773	Tower Packing With Small and Large Louvers and Mixing Method (CIP)	02/23/93	G.K. Chen et al
5,192.465	Method of and Apparatus for Liquid Distribution	03/09/93	T. Petrich et al
5,192,466	Method of and Apparatus for Flow Promotion	03/09/93	M.J. Binkley
5,213,719	Gas-Liquid Contacting Device	05/25/93	K.T. Chuang
5,277,848	Method and Apparatus for Downcomer Tray Operation (Cont)	01/11/94	M.J. Binkley et al
5,453,222	Contact Tray Apparatus and Method	09/26/95	A.T. Lee et al
5,547,617	Apparatus for Increasing Effective Active Area	08/20/96	A.T. Lee et al

U.S. PATENT APPLICATIONS

SERIAL NO.	TITLE	FILING DATE	INVENTORS
08/816,197	Multi-Downcomer High Performance Tray (Cont.)	03/26/97	Lee et al.
08/529,589	Agitated Packed Extraction Column	09/18/95	Holmes et al.
08/685,482	Chemical Process Tower Deentrainment Assembly	07/24/96	Lee et al.
08/742,819	Downcomer for Chemical Process Tower	10/30/96	Lee et al.
08/811,434	Downcomer for Chemical Process Tower (CIP)	03/03/97	Lee et al.



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SEPTEMBER 11, 1997

PTAS

FOSTER WHEELER CORPORATION THARLES L. WILLIS - LAW DEPARTMENT **ERRYVILLE CORPORATE PARK INTON, NJ 08809-4000

SEP 1 8 1997

LAW DEPARTMENT

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 08/11/1997

REEL/FRAME: 8650/0538 NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GLITSCH, INC.

DOC DATE: 06/26/1997

ASSIGNEE:

4900 SINGLETON, L.P. 4900 SINGLETON DALLAS, TEXAS 75212

SERIAL NUMBER: 08816197

FILING DATE: 03/26/1997

ISSUE DATE:

SERIAL NUMBER: 08742819

FILING DATE: 10/30/1996

PATENT NUMBER:

ISSUE DATE:

FILING DATE: 09/18/1995

SERIAL NUMBER: 08529589

ISSUE DATE:

PATENT NUMBER:

PATENT NUMBER:

SERIAL NUMBER: 08811434

FILING DATE: 03/03/1997

PATENT NUMBER:

ISSUE DATE:

8650/0538 PAGE 2

SERIAL NUMBER: 07829988~

PATENT NUMBER: 5147584

FILING DATE: 07/24/1996 SERIAL NUMBER: 08685482 ISSUE DATE: PATENT NUMBER: FILING DATE: 05/05/1978 SERIAL NUMBER: 05903214 ISSUE DATE: 11/18/1980 PATENT NUMBER: 4233825 SERIAL NUMBER: 06406559-FILING DATE: 08/09/1982 ISSUE DATE: 11/11/1986 PATENT NUMBER: 4621475 FILING DATE: 05/15/1989 SERIAL NUMBER: 07332428 ISSUE DATE: 03/20/1990 PATENT NUMBER: 4909967 FILING DATE: 04/19/1985 SERIAL NUMBER: 06725144 ISSUE DATE: 07/01/1986 PATENT NUMBER: 4597916 FILING DATE: 04/27/1987 SERIAL NUMBER: 07042759~ ISSUE DATE: 03/08/1988 PATENT NUMBER: 4729857 FILING DATE: 10/24/1988 SERIAL NUMBER: 07261503 ISSUE DATE: 08/21/1990 PATENT NUMBER: 4950430 FILING DATE: 04/19/1985 SERIAL NUMBER: 06725143 ISSUE DATE: 08/05/1986 PATENT NUMBER: 4604247 FILING DATE: 11/23/1987 SERIAL NUMBER: 07123811 ISSUE DATE: 06/27/1989 PATENT NUMBER: 4842778 FILING DATE: 03/08/1989 SERIAL NUMBER: 07320420-ISSUE DATE: 09/11/1990 PATENT NUMBER: 4956127 FILING DATE: 07/03/1990 SERIAL NUMBER: 07547395-ISSUE DATE: 09/24/1991 PATENT NUMBER: 5051214 FILING DATE: 02/11/1991 SERIAL NUMBER: 07653680-ISSUE DATE: 04/21/1992 PATENT NUMBER: 5106544 FILING DATE: 09/04/1990 SERIAL NUMBER: 07577360-ISSUE DATE: 06/09/1992 PATENT NUMBER: 5120474 FILING DATE: 08/19/1991 SERIAL NUMBER: 07747286-ISSUE DATE: 02/09/1993 PATENT NUMBER: 5185106 FILING DATE: 10/09/1991 SERIAL NUMBER: 07775299-ISSUE DATE: 03/09/1993 PATENT NUMBER: 5192466 FILING DATE: 11/27/1990 SERIAL NUMBER: 07618724 ISSUE DATE: 10/15/1991 PATENT NUMBER: 5057250 FILING DATE: 06/25/1991 SERIAL NUMBER: 07725365 --ISSUE DATE: 04/21/1992 PATENT NUMBER: 5106556

FILING DATE: 01/31/1992

ISSUE DATE: 09/15/1992

8650/0538 PAGE 3

SERIAL NUMBER: 07747184 PATENT NUMBER: 5188773

SERIAL NUMBER: 07952098--PATENT NUMBER: 5213719

SERIAL NUMBER: 07618725 - PATENT NUMBER: 5080836

SERIAL NUMBER: 07699156 - PATENT NUMBER: 5118449

SERIAL NUMBER: 07577355 - PATENT NUMBER: 5164125

SERIAL NUMBER: 07650747-PATENT NUMBER: 5192465

SERIAL NUMBER: 07930080-PATENT NUMBER: 5277848

SERIAL NUMBER: 08306672 - PATENT NUMBER: 5453222

SERIAL NUMBER: 08414792-PATENT NUMBER: 5547617 FILING DATE: 08/19/1991 ISSUE DATE: 02/23/1993

FILING DATE: 09/28/1992 ISSUE DATE: 05/25/1993

FILING DATE: 11/27/1990 ISSUE DATE: 01/14/1992

FILING DATE: 05/13/1991 ISSUE DATE: 06/02/1992

FILING DATE: 09/04/1990 ISSUE DATE: 11/17/1992

FILING DATE: 02/05/1991 ISSUE DATE: 03/09/1993

FILING DATE: 08/14/1992 ISSUE DATE: 01/11/1994

FILING DATE: 09/15/1994 ISSUE DATE: 09/26/1995

FILING DATE: 03/31/1995 ISSUE DATE: 08/20/1996

KEITH GOODE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

ASSIGNMENT

Patents and Patent Applications (United States)

WHEREAS, GLITSCH, INC., a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 4900 Singleton, Dallas, Texas 75212, (hereinafter referred to as "ASSIGNOR"), is the owner of the Patents and Patent Applications set forth in Schedule A, attached hereto (collectively, the "Patents and Applications"); and

WHEREAS, 4900 SINGLETON, L.P., a Texas Limited Partnership, having a business address at 4900 Singleton, Dallas, Texas 75212 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the Patents and Applications;

NOW, THEREFORE, for and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto ASSIGNEE, its successors, assigns and legal representatives the entire right, title and interest in and to the Patents and Applications, all divisions, reissues, reexaminations, substitutions, continuations, continuations-in-part and extensions thereof, and all causes of action arising prior to or after the date hereof for infringement of the Patents and Applications, and all claims for damages for past infringement of the same; and

ASSIGNOR further sells, assigns and transfers unto ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the inventions disclosed in the Patents and Applications, including all patents and pending applications thereon and the

right to file further applications and to obtain patents, utility models, industrial models and designs for said inventions in its own name including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries; and

ASSIGNOR further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, ASSIGNOR has executed this Assignment this 26 day of

GLITSCH, INC.

State of Fexas Null View

County of Belles New York §

On this 20th day of June, 1997, before me, a Notary Public in and for the State and County aforesaid, personally appeared John L. Van Buren, to me well known and known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

> Notary Publis, State of New York
> No. 01WES030567 Qualified in New York County Commission Expires Sept. 26, 1996

Chanol M. Welf
Notary Public
My Commission Expires: Sept. 26, 1998

On this 26 day of June, 1997, before me, a Notary Public in and for the State and County aforesaid, personally appeared Johne Van Buren, to me well known and known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

ELEANOR M. WEBB
Notary Public. State of New York
No. 01WE5033567
Oualified in New York County
Commission Expires Sept. 26, 1999

<u>Suemon M. Welf</u>
Notary Public
My Commission Expires: <u>Scot. 26, 1998</u>

Schedule A

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